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- accumulated photogenerated charges; and
generating the first linear signal from the second linear signal.
34. An apparatus, comprising:
a photodiode of fully-depleted-channel type operable to accumulate
photogenerated charges;
a precharge transistor having a source region serving as a cathode of the
photodiode; and
means for outputting from the photodiode a linear control signal representing the
photogenerated charges.
35. The apparatus of claim 34, further comprising:
read circuitry operable to receive the linear control signal from the photodiode
and to generate a linear output signal from the linear control signal for input to a
processing circuit.

REMARKS

Prior to examination following the filing of the Request for Continuing Examination on February 4, 2003, please consider the above Amendment, which adds claims 5-35. Claims 1-4 were previously pending. By this Amendment, Applicant adds claims 5-35. As a result, claims 1-35 are pending for examination, of which claims 1, 12, 32 and 34 are independent.

CONCLUSION

In view of the foregoing amendments and remarks, this application should now be in condition for allowance. A notice to this effect is respectfully requested. If the Examiner believes, after this amendment, that the application is not in condition for allowance, the Examiner is requested to call the Applicant's attorney at the telephone number listed below.

If this response is not considered timely filed and if a request for an extension of time is otherwise absent, Applicant hereby requests any necessary extension of time. If there is a fee

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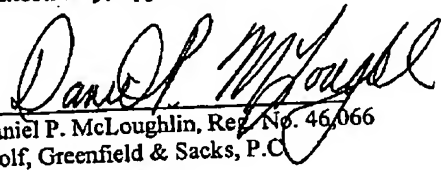
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occasioned by this response, including an extension fee, that is not covered by an enclosed check, please charge any deficiency to Deposit Account No. 23/2825.

Respectfully submitted,
Francois Roy, Applicant

By:


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Docket No. S01022.80748.US
Date: April 29, 2003
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